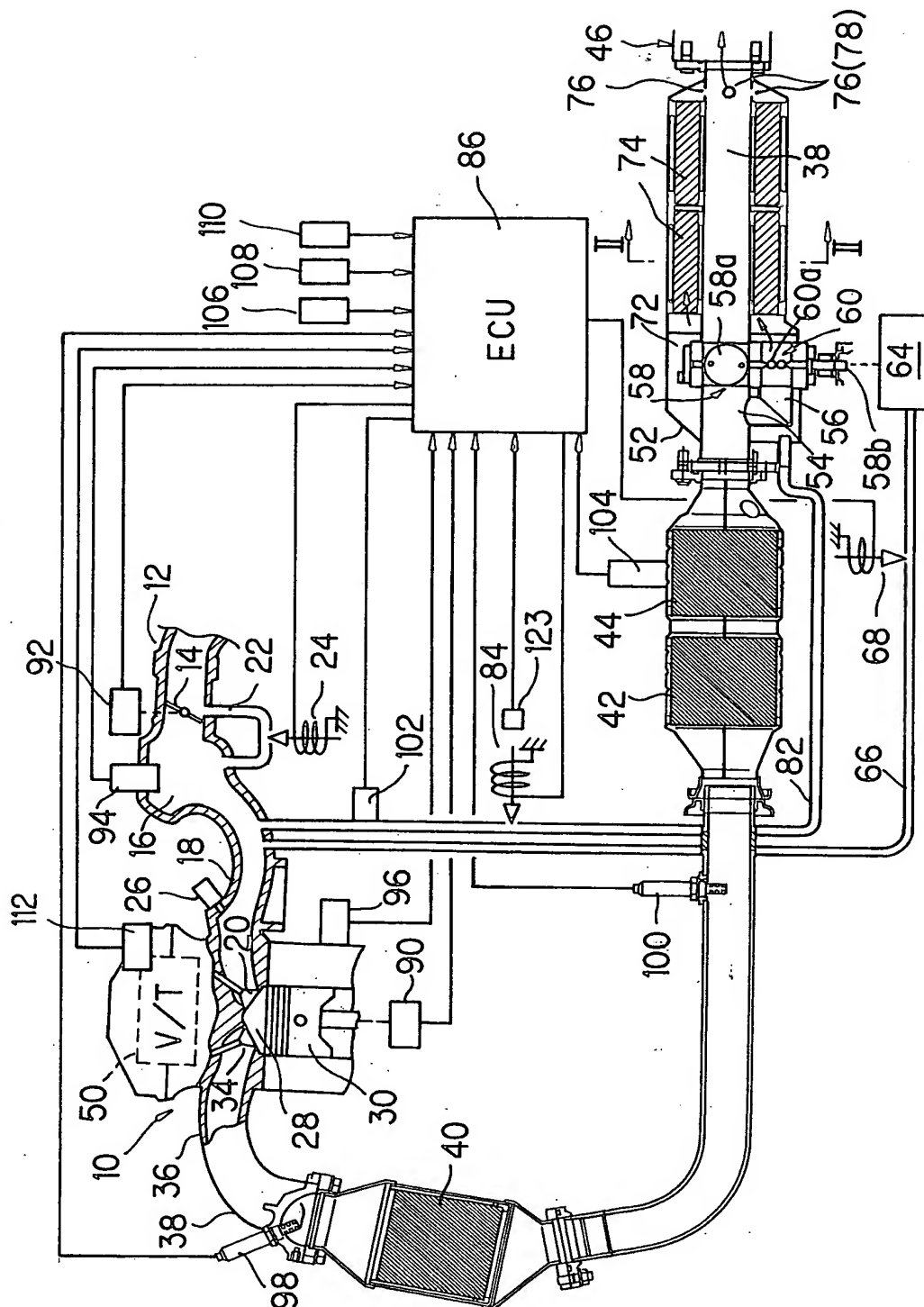


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FIG. 1



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**FIG. 2**

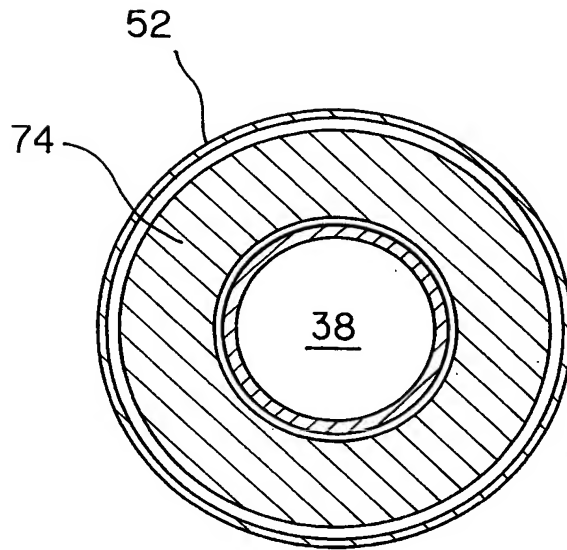
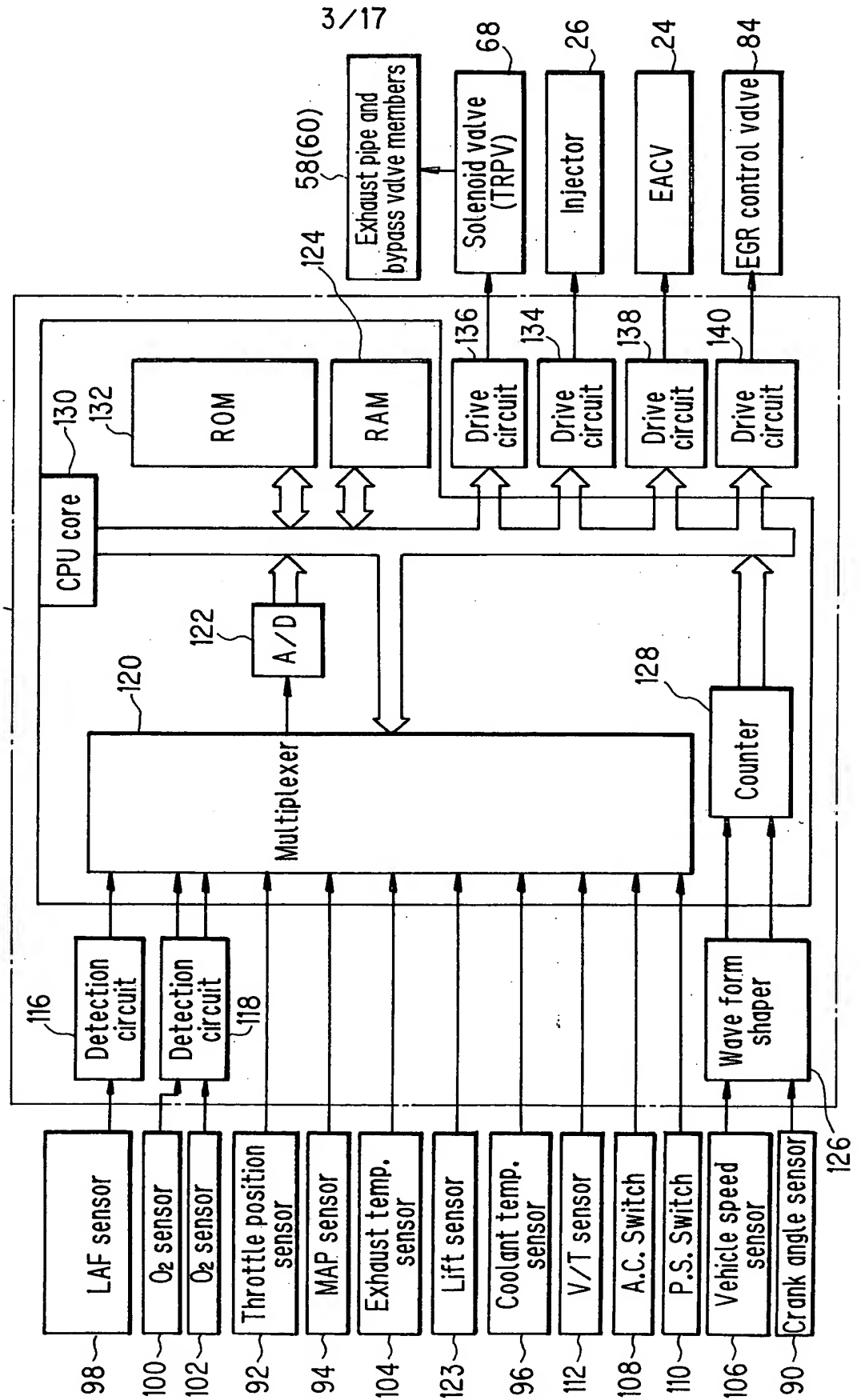


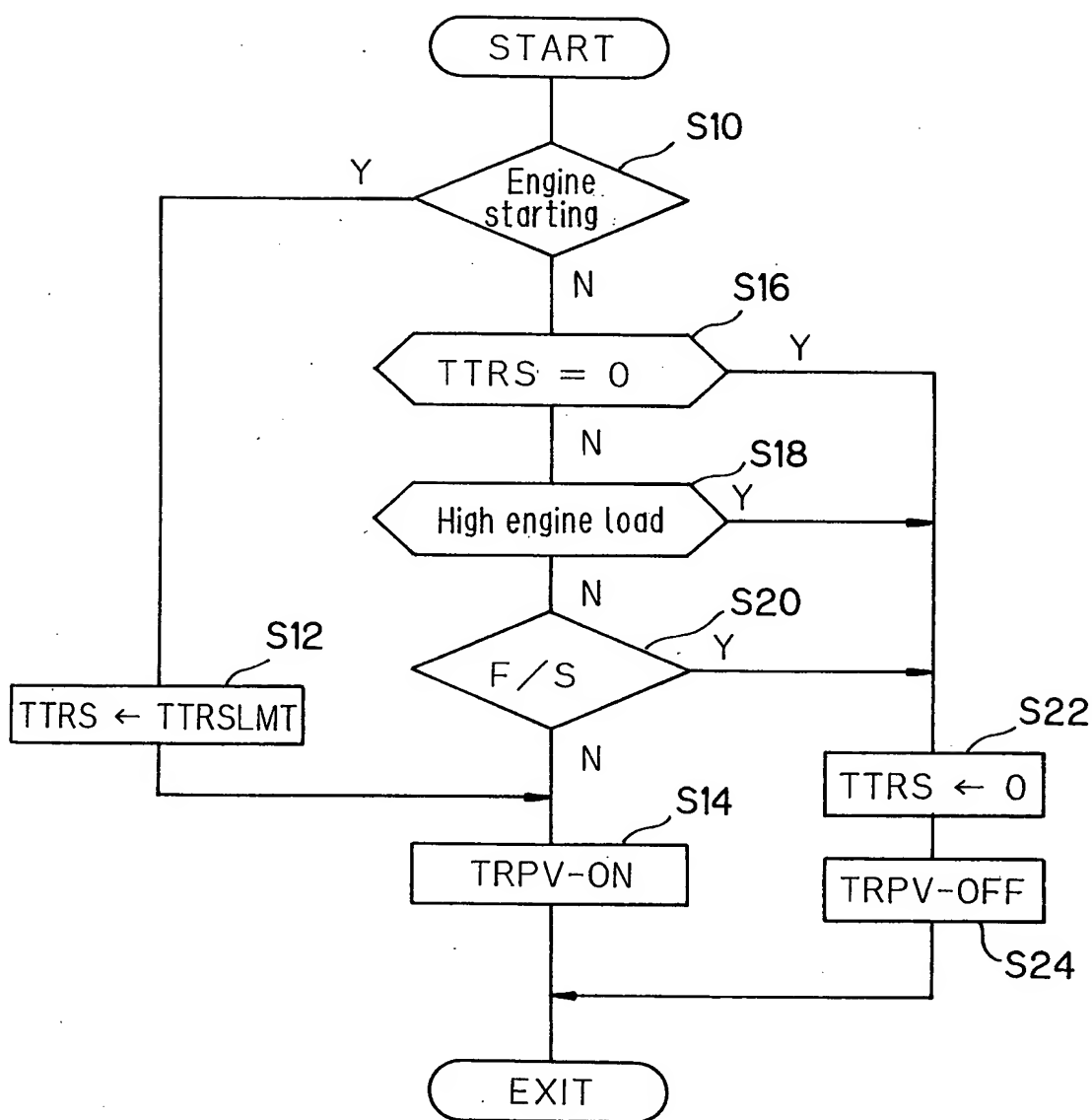
FIG. 3

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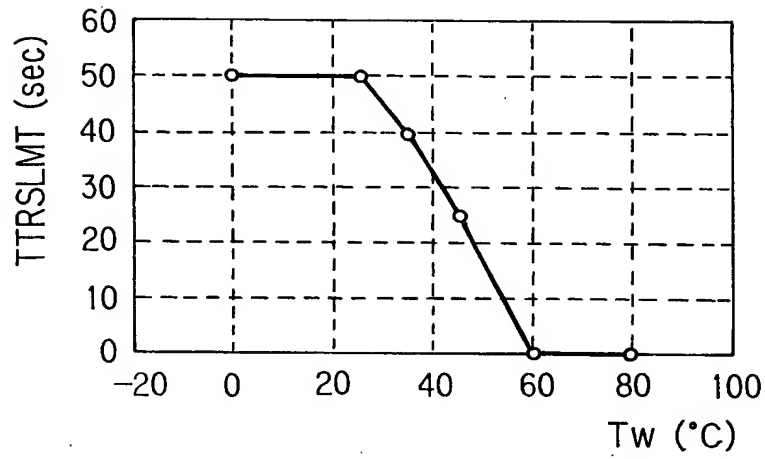
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**FIG. 4**



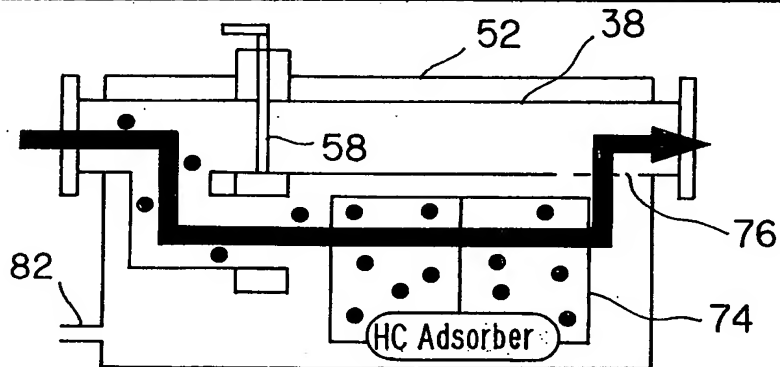
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**FIG. 5**



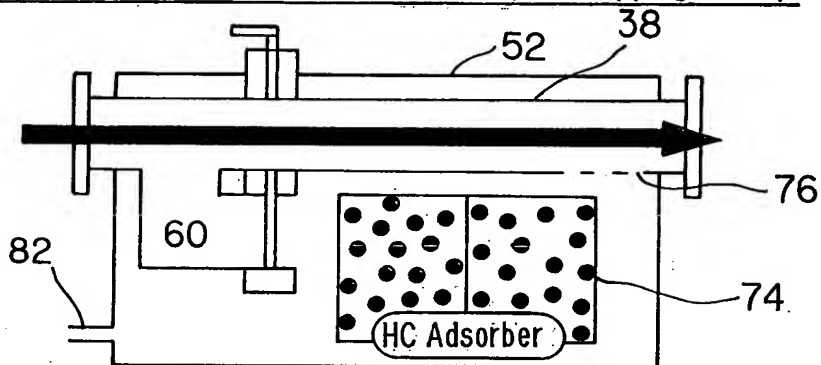
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From engine starting and low temperature (HC adsorption mode)



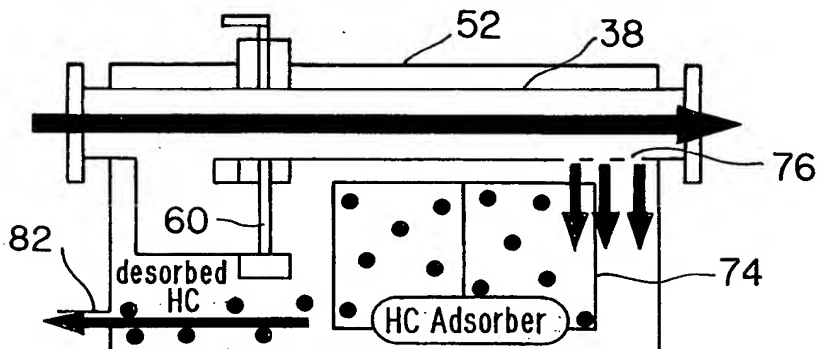
**FIG. 7**

Normal temperature and without EGR (HC trapping mode)

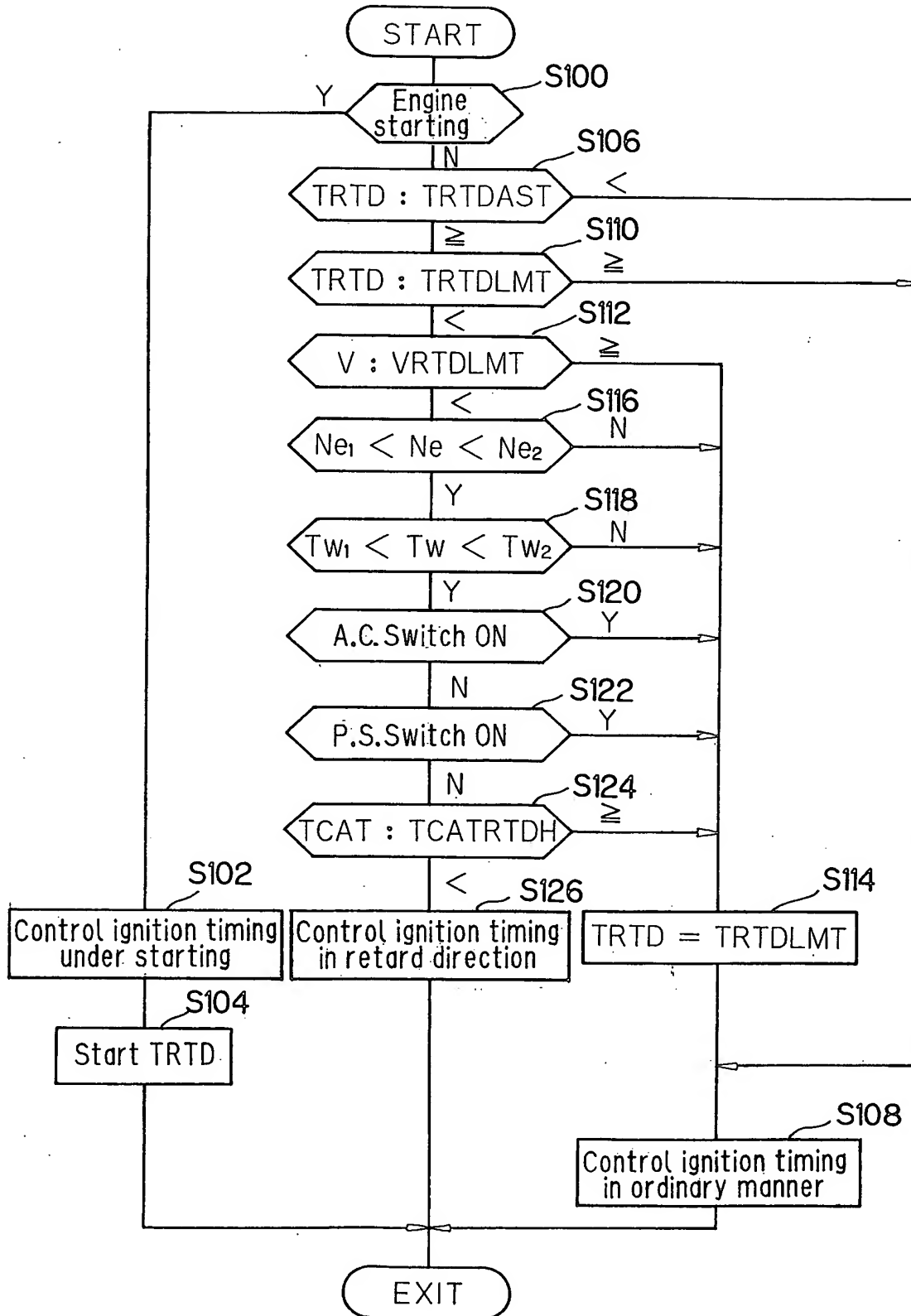


**FIG. 8**

Normal temperature and with EGR (HC purging mode)

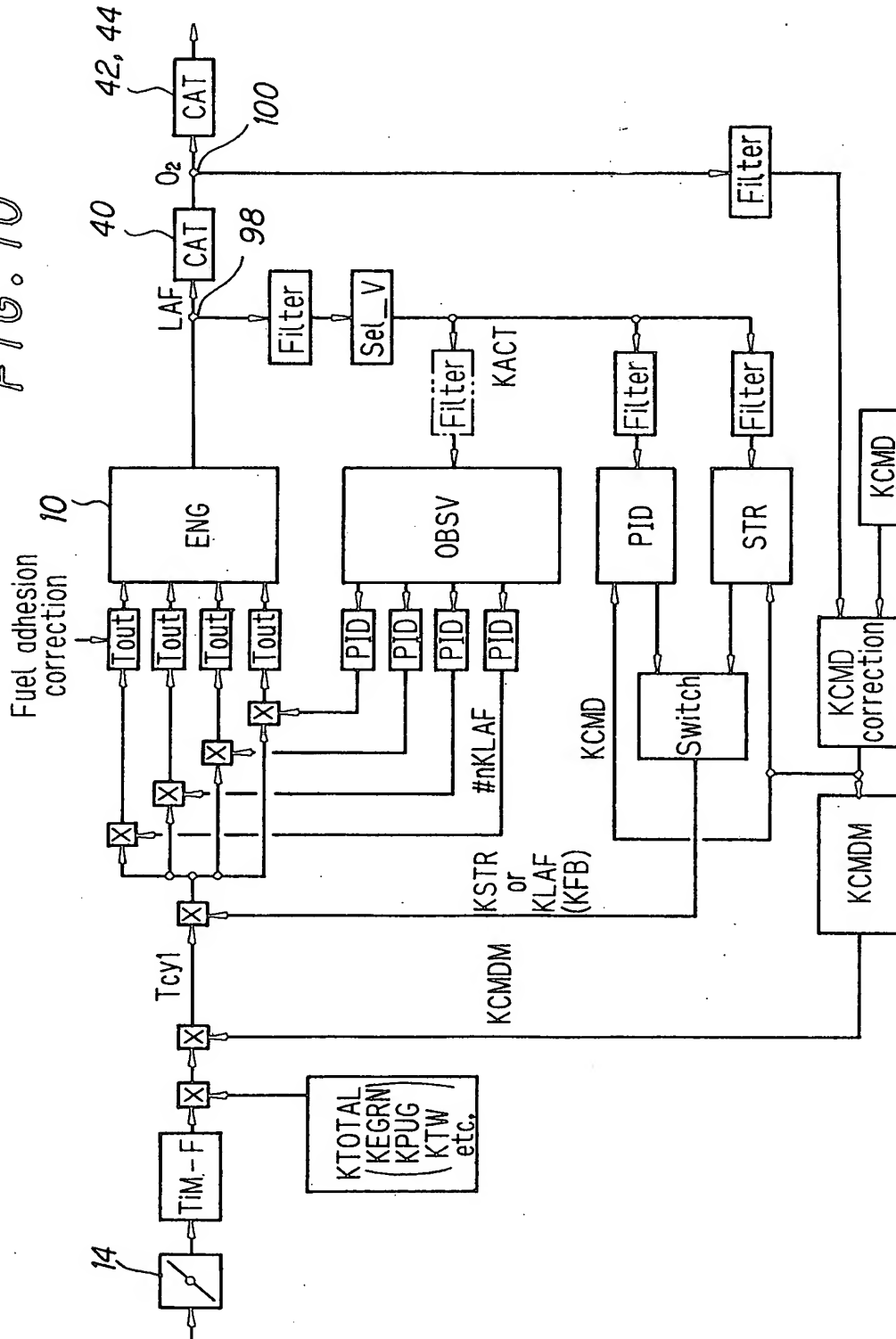


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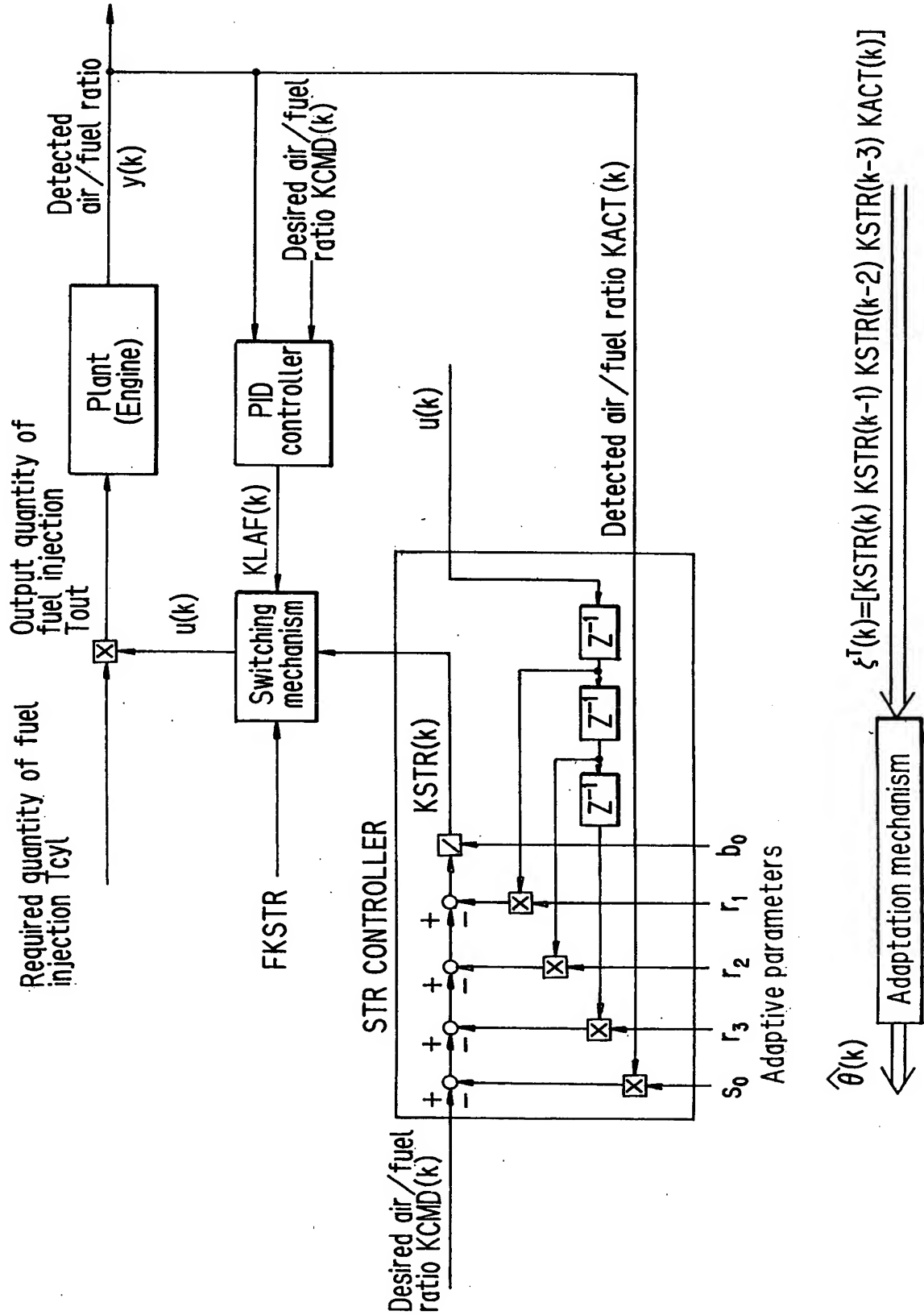
FIG. 10





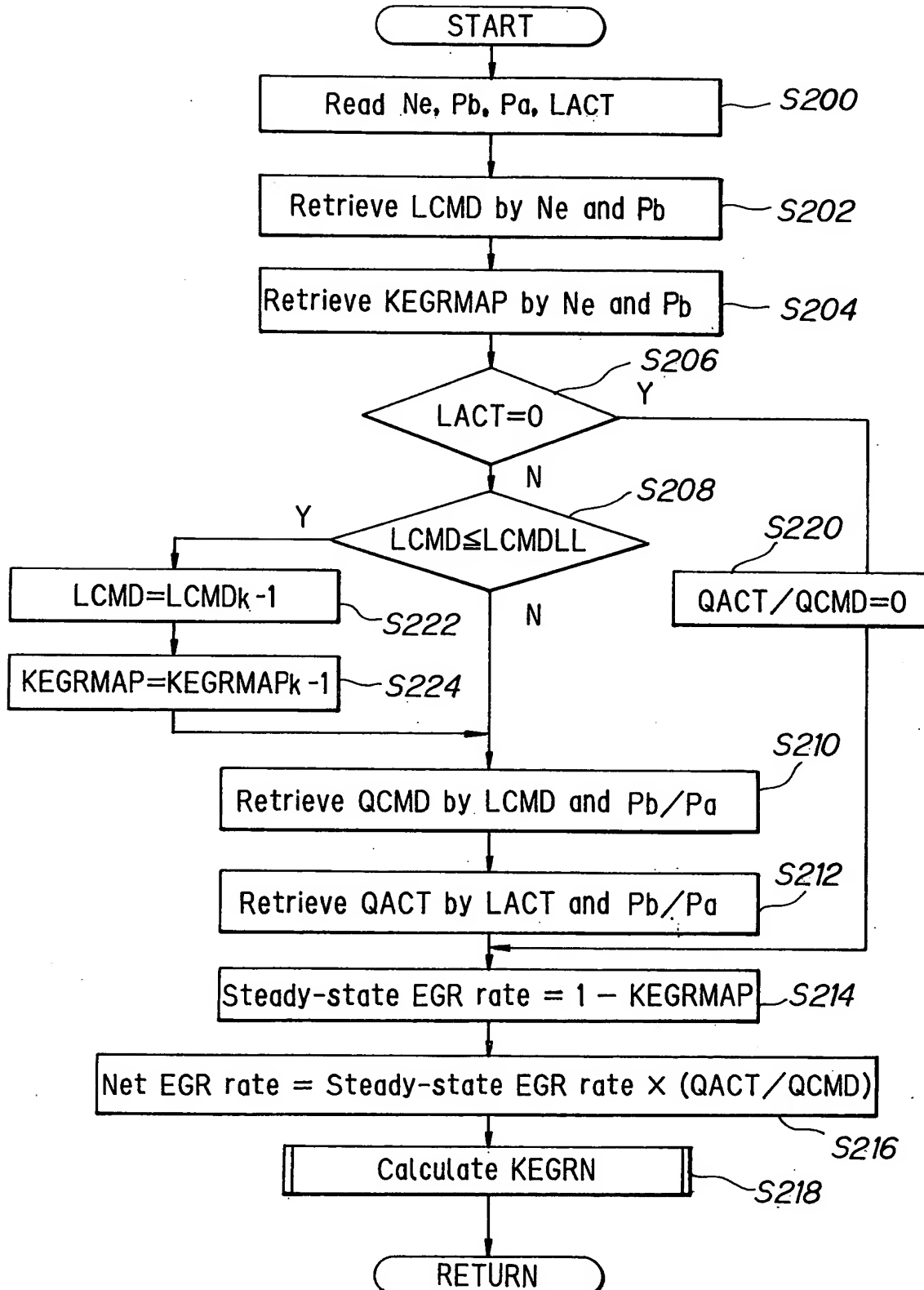
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FIG. 11



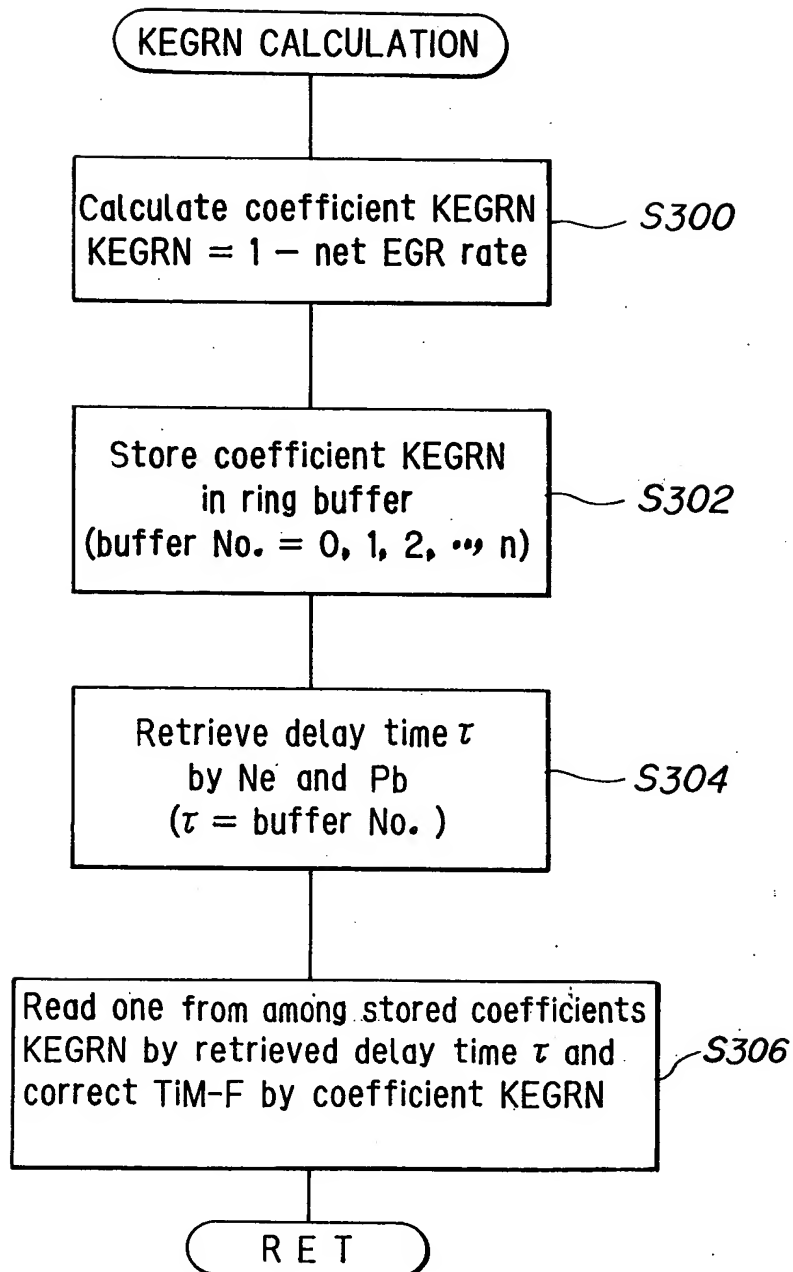
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# FIG. 12



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## FIG. 13



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FIG. 14

KEGRN

Current value	NO
0	0
1 TDC earlier	1
2 TDCs earlier	2
3 TDCs earlier	3
4 //	4
5 //	5
6 //	6
7 //	7
8 //	8
9 //	9
10 //	10
11 //	11
12 //	12
⋮	⋮
n	n

FIG. 15

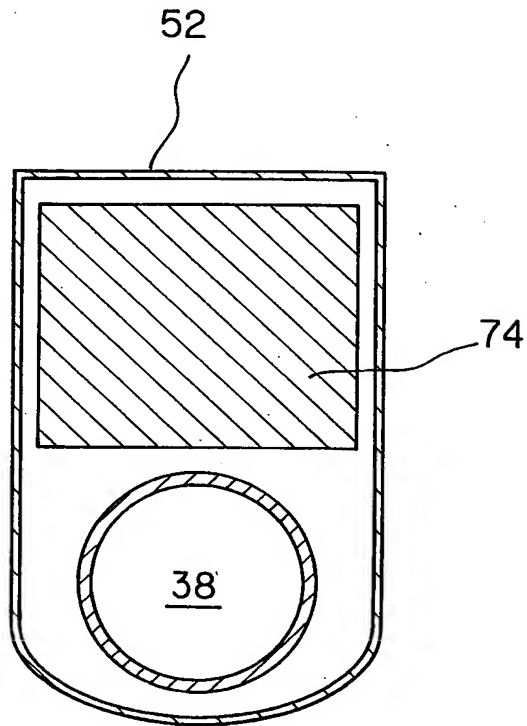
	Pb			
Ne				
		$\tau$		





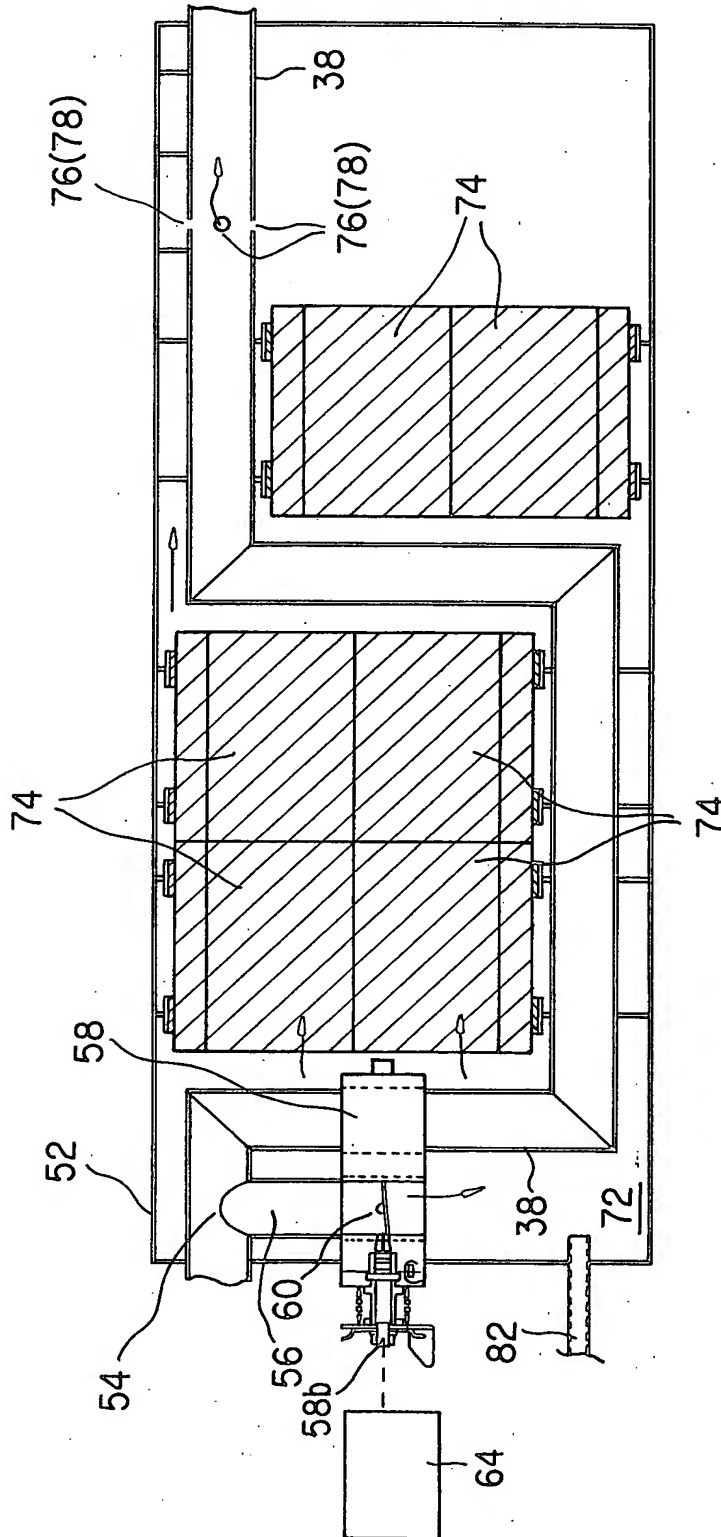
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**FIG. 18**



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FIG. 19





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FIG. 20

